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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/758,581	01/11/2001	Mark K. Sullivan	CNKC.72109	9414

5251 7590 03/30/2005  
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EXAMINER

VU, VIET DUY

ART UNIT PAPER NUMBER

2154

DATE MAILED: 03/30/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

**Application No.**

09/758,581

**Applicant(s)**

SULLIVAN ET AL.

**Examiner**

Viet Vu

**Art Unit**

2154

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 17 February 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-42 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-42 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

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**Art Rejections:**

1. The texts of 35 U.S.C. § 103(a) cited in the previous office action are hereby incorporated by reference.

2. Claims 1-42 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Mitzenmacher et al, U.S. pat. No. 5,953,503.

Per claims 1, 5-10, 15 and 18, Mitzenmacher discloses a known method of compressing HTML documents comprising:

a) parsing the document to recognize markup tags in the document and creating a token stream (see col 1, lines 28-35),

b) compressing the token stream using Huffman coding (col 1, lines 35-39),

c) decompressing the compressed document and recreating the markup tags (see col 1, lines 39-40).

Mitzenmacher also teaches adapting the prior art compression method with the improvement by using preset dictionary tables at both sender and receiver to avoid transmitting dictionary information along with the documents (see col 2, lines 58-65).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to recognize that the adapted tokenization step in accordance with Mitzenmacher's teaching would have not required transmission of (new)

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dictionary information to the compressor or the receiver/decompressor.

Per claims 2-4, the prior art compression method utilizes an extensible lookup (dictionary) table to convert the tags into tokens (see col 1, lines 33-36).

Per claims 11-14, Mitzenmacher teaches that other compression techniques can also be used (see col 1, lines 41-48).

Per claims 16-17 and 19-20, it would have been further obvious to one skilled in the art to implement the data compression/decompression steps at the hardware level, i.e., network interface or at the application level, i.e., web browser.

Claims 21-42 are similar in scope as that of claims 1-20.

**Response to Amendment:**

3. Applicant's arguments filed on 2/17/05 with respect to claims 1-42 have been fully considered but are moot in view of new grounds of rejection set forth above. Particularly, newly cited art, Mitzenmacher, now discloses performing compressing data with preset dictionary tables without having to transmit dictionary information along with the message (see col 2, lines 58-65).

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**Conclusion:**

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Viet Vu whose telephone number is 571-272-3977. The examiner can normally be reached on Monday through Thursday from 8:00am to 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Follansbee, can be reached on 571-272-3964.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



VIET D. VU  
PRIMARY EXAMINER

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3/28/05